Original/Duplicate/Triplicate

SBR No. 51/17-18
DATED 29/6/2017

# CONTRACT CERTIFICATE (For Other Works)

EE/ELE/Y/BR.No. 51/17-18

1st & final Bill

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals** Date.....2010 Dt. 29-6-17

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account : **P0190** **Job Code :- 008-16-000037**

D.R.No.

**Name of Work:-** Providing LED Street Lights to kodigehally ,Balaji layout , Amco layout in ward no 8.

Name of Contractor and Full Address:**M/S Technical Manager KRIDL**

Reference to Agreement No:EE/Ele/YZ/WO/34 /16-17

Date:18/2/2017

Certified that the measurements were taken by me on 29/6/17 and recorded of Pages 311230 to 239 of measurement Book No. 3113/17-18 and that the work is satisfactorily executed.

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

**Contractor**

T.N. Baddy

**Officer-in-charge of work**

Certified that the measurement were taken by me on 29/6/17 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

**Sub-Division Officer**

Assistant Executive Engineer (Elec)
Yelahanka Sub-Division
Bruhat Bangalore Mahanagara P...

| | | |
|---|---|---|
| 1) Total value of work done or supplies made as per account within | Bill= | 49,99,858=00 |
| 2) Deduct amount to be held in reserve being .....percent Rs..... | IT 2% | 99,997=00 |
| 3) " Balance | VAT 4% Amount | 1,99,994=00 |
| 4) Deduct Payment: | LWC 1% | 49,999=00 |
| | FBD 7.5% | 3,74,989=00 |
| | CBFD 0.1% | 5,000=00 |
| | deductions | 7,29,979=00 |
| | Cheque | 42,69,879=00 |

a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....

adjusted towards cash advance recovery of

b) Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.

5) Balance being unpaid value of work done held in reserve.

6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.

7) Net amount due to or from Contractor unadjustments items.

8) Advance to Contractor for materials brought to site (as detailed) within.

9) Value of Government materials supplied.

Total amount adjusted -

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Contractor's Signature

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

Witness
1.
2.

Dated
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore
Signature of Contractor

Stamp

(For use in the Office)

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P190 mayor grants

ರೂ: 49,99,852=00 ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 42,69,879=00 ಚೆಕ್ ನೀಡುವುದಾಗಿದೆ

ರೂ: 7,29,979=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

**Executive Engineer**

ಲೆಕ್ಕ ಅಧೀಕ್ಷರು ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

| Sl no | Description of item |
|---|---|
| | **Name of Work : Providing LED Street Lights to kodigehally ,Balaji layout , Amco layout in ward no 8..** |
| 1 | LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body wit optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made c polycarbonate material with high transmission index, delivering superior light output. Rated lif Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrica compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with main Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Ove voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia c 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60H application. Over load & Short circuit protection ensures reliable operation in spite of problem i output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. U approved MCPCB. Top access street light with single screw to ensure ease of maintenance at th sight site location with<br><br>minimized minimal tools. LED Light fixture with .....W System Power consumption. LE Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing wit supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Governmer certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Yea against any manufacturing defect working under standard electrical conditions as mentioned abov should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Pa II. 90 Watts |
| 2 | 120 Watts |
| 3 | LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing boc with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & made of polycarbonate material with high transmission index, delivering superior ligl output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, I 66 optical and electrical compartment & impact resistance of complete luminare > IK0 Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surg Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protectio Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Sho circuit protection ensures reliable operation in spite of problem in output side. Compliance IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. To access street light with single screw to ensure ease of maintenance at the sight site locatic with<br><br>minimized minimal tools. LED Light fixture with .....W System Power consumption. LE Efficiency>130lm/w at 1W & FixtureEfficiency >80lm/w with nominal CRI >75. Luminai manufacturer should have in-house facility accredited by NABL/CPRI & any Governme certified agency & Design & Development facility certified by ISO 9001:2008 . Housing wi supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body pa Warranty of 5 Years against any manufacturing defect working under standard electric conditions as mentioned above should be given by LED source manufacture. Suitable f B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts |

| Uni | Previous | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|---|
| | Qty. | Cost | Qty. | Rate | Amount | Qty | Cost | |
| Each | | | 124 | 31250.00 | 3875000.00 | 124 | 3875000.00 | |
| Each | | | 14 | 34240.00 | 479360.00 | 14 | 479360.00 | |
| Each | | | 5 | 18720.00 | 93600.00 | 5 | 93600.00 | |

| | |
|---|---|
| 4 | Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe |
| 5 | Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded **Aluminium** unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm. |
| 6 | Fixing halogen/ metal hallide /SVL/IL/LED flood light fittings over existing pole/ wall ceiling including clamps bolts nuts and wiring using sitable capacity wires |
| 7 | Supplying 70Watts MH integral post top lantern Metal halide fitting suitable for pole mounted with fully vermin, weather proof, elegant in shape, appearance, UV stabilized clear acrylic diffusers, camouflaged horizontal lamp, holder and lamp, IP 54 protection. Electrical safety class 1. The fitting shall have ferromagnetic copper choke with capacitor, igniter and fully wired to operate on 230V 50Hz AC Supply with 70Watts MH Lamp. |
| | Total Rs |
| | Add KRIDL Charges 9.1% |
| | Grand Total Rs |

Certificate: 1. Certify that theThe Above said Work has been carreidout satisfactorily

T.N. Baddy

Asst. Executive Engineer (Elec)
Yelahanka Sub-Division
Bruhat Bangalore Mahanagara Pal

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Each | | | 130 | 893.00 | 116090.00 | 130 | 116090.00 | |
| Each | | | 250 | 7.50 | 1875.00 | 250 | 1875.00 | |
| Each | | | 96 | 176.00 | 16896.00 | 96 | 16896.00 | |
| Each | | | 0 | 6724.00 | 0.00 | 0 | 0.00 | |
| | | | | | 4582821.00 | | 4582821.00 | |
| | | | | 417037 | 417036.71 | | 417036.71 | 417037 |
| | | | | | 4999857.71 | | 4999857.71 | |

₹9,99,858:00 ₹999858:00